

Comparisons of Job Characteristics

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Education and Training	9.2	13.6	7.4	<<	Extensive education and/or training may be required
Mechanical	6.8	13.4	9.8	<<	Extensive education and/or training may be required
Production and Processing	6.0	9.6	8.4	<	Expanded education and/or training may be required
Chemistry	4.8	8.6	8.4	0	Current knowledge level may be sufficient
Sociology and Anthropology	4.1	7.4	1.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	11.9	12.9	0	Current skill level may be sufficient
Operation and Control	5.4	10.2	11.6	>	Skill level is likely sufficient
Quality Control Analysis	5.9	10.2	8.3	<	A higher skill level may be required
Troubleshooting	4.5	7.7	7.1	0	Current skill level may be sufficient
Repairing	3.4	7.6	5.4	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	7.4	6.2	<	A higher skill level may be required

Equipment Selection	3.3	7.1	5.3	<<	Extensive development of skills in this area may be required
Installation	1.7	5.1	1.4	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 70			
Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)					
Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.2	11.2	0	Current ability level may be sufficient
Reaction Time	4.8	11.9	9.7	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.0	10.8	0	Current ability level may be sufficient
Trunk Strength	5.7	10.3	6.0	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	10.1	8.6	<	Some improvement in abilities may be required
Auditory Attention	5.9	9.2	9.3	0	Current ability level may be sufficient
Rate Control	3.8	9.2	9.1	0	Current ability level may be sufficient
Stamina	4.0	7.9	4.2	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	6.9	5.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 91
Focus Occupation: Chemical Equipment Operators and Tenders (51-9011) Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Examine products or work to verify conformance to specifications	15	
Load or unload material or workpiece into machinery	34	
Maintain or repair industrial or related equipment/machinery	39	
Measure, weigh, or count products or materials	17	
Perform safety inspections in manufacturing or industrial setting	33	
Read specifications	23	
Test manufactured products or materials	64	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Chemical Equipment Operators and Tenders (51-9011)

Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.